

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	Application Number		10797019
	Filing Date		2004-03-11
	First Named Inventor	Saville	
	Art Unit	1657	
	Examiner Name	Gough, Tiffany Maureen	
	Attorney Docket Number	27462	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2i</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10797019
Filing Date	2004-03-11
First Named Inventor	Saville
Art Unit	1657
Examiner Name	Gough, Tiffany Maureen
Attorney Docket Number	27462

/TG/	1	LILJEDAHN, "Evaluation of Chromatographic Media for Membrane Protein Purification," MSc. Thesis, Uppsala University School of Engineering, 2001, pp 1-20	<input type="checkbox"/>
	2	KERKHOFF et al., " Solubilization, Partial Purification and Photolabeling of the Integral Membrane Protein Lysophospholipid:acyl-CoA Acyltransferase (LAT)," Eur. J. Biochem, 267, 6339-6345 (2000)	<input type="checkbox"/>
	3	Cornell lab manual for BIOBM330. <a href="http://instruct1.cit.cornell.edu/Courses/biobm330/protlab/Strategy.html">http://instruct1.cit.cornell.edu/Courses/biobm330/protlab/Strategy.html</a>	<input type="checkbox"/>
	4	Instructional materials for the MATC Biotechnology program in Madison, WI <a href="http://matcmadison.edu/biotech/resources/proteins/labManual/chapter_1.htm">http://matcmadison.edu/biotech/resources/proteins/labManual/chapter_1.htm</a>	<input type="checkbox"/>
	5	WINGFIELD et al., "Purification and characterization of a methionine-specific aminopeptidase from Salmonella typhimurium, Eur. J Biochem. 180.23-32 (1989)	<input type="checkbox"/>
	6	MACKAY et al., "Identification and Isolation of a 155-KDa Protein with Neuropathy Target Esterase Activity," Fundamental and Applied Toxicology, vol 30, pp23 – 30, (1996)	<input type="checkbox"/>
	7	PIMENOV et al., "The Adsorption and Deactivation of Microorganisms by Activated Carbon Fiber," Separation Science and Technology 36(15), 3385-3394, (2001)	<input type="checkbox"/>
	8	HYDAMAKA et al., "Control of Color Problems During Recycling of Food Process Waters," Food Science Department at the University of Manitoba, pp. 237-256	<input type="checkbox"/>
	9	KELLY, et. al., "The Use of Circular Dichroism in the Investigation of Protein Structure and Function," Curr. Protein and Peptide Sci., 1, 349-384, (2000)	<input type="checkbox"/>
	10	LENDENMEN, et. al., "2-Aminophenol 1,6-Dioxygenase: a Novel Aromatic Ring Cleavage Enzyme Purified from Pseudomonas pseudoalcaligenes JS45," J. Bacteriol., pp6227 – 6232, (1996)	<input type="checkbox"/>
/TG/	11	CHEN et al., "D-Ribulose-5-Phosphate 3-Epimerase: Cloning and Heterologous Expression of the Spinach Gene, and Purification and Characterization of the Recombinant Enzyme," Plant Physiol. 118: 199–207, (1998)	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10797019
Filing Date		2004-03-11
First Named Inventor	Saville	
Art Unit	1657	
Examiner Name	Gough, Tiffany Maureen	
Attorney Docket Number	27462	

/TG/	12	WALSH, "Proteins: Biochemistry and Biotechnology," Wiley, West Sussex, England. pp 156-161 (2002)	<input type="checkbox"/>
	13	SADANA, "Bioseparation of Proteins," Academic Press, San Diego, pp. 1-15, 135, 136, 178, 187, and 245 (1998)	<input type="checkbox"/>
	14	LADISCH, et. al., "Protein Purification: From Molecular Mechanisms to Large Scale Processes," ACS Symposium Series 427 (1990)	<input type="checkbox"/>
	15	BAILON, et. al., "Recovery of Recombinant Proteins by Immunoaffinity Chromatography", pp 150-167. (Note-included in LADISH, ref. no. 14 above)	<input type="checkbox"/>
	16	HARRISON, "Protein Purification Process Engineering," Marcel Dekker, New York, pp. 6, 7, 44, 45, 52, 53, 128-131, 136, 137, 146, 147, 152-155, 172-175, 210 and 211(1994)	<input type="checkbox"/>
	17	STEIN, "Fundamentals of Protein Biotechnology," Marcel Dekker, New York, pp. 145, 161, and 162 (1990)	<input type="checkbox"/>
	18	WHEELWRIGHT, "Protein Purification: Design and Scale up of Downstream Processing," Hanser Publishers, Munich, pp. 32, 33, 62, 63, 80, 82, 172, and 186 (1991)	<input type="checkbox"/>
	19	DAVIS, "Covalent immobilisation of laccase on activated carbon for phenolic effluent treatment", Appl Microbiol Biotechnol (1992) 37:474-479	<input type="checkbox"/>
	20	SOTIROPOULOU, et. al., "Lowering the detection limit of the acetylcholinesterase biosensor using a nanoporous carbon matrix", Analytica Chimica Acta 530 (2005) 199-204	<input type="checkbox"/>
	21	KIBARER, et. al., "Optimization studies on the features of an activated charcoal-supported urease system, Biomaterials". Vol. 17, no. 15, pp. 1473-1479. (1996)	<input type="checkbox"/>
/TG/	22	ROTH, et. al., "β-Galactosidases (Escherichia coli) with Double Substitutions Show That Tyr-503 Acts Independently of Glu-461 but Cooperatively with Glu-537, Journal of Protein Chemistry, Vol. 22, Nos. 7/8, November 2003	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10797019
Filing Date		2004-03-11
First Named Inventor	Saville	
Art Unit	1657	
Examiner Name	Gough, Tiffany Maureen	
Attorney Docket Number	27462	

/TG/ ↓	23	MAJUNATH, et. al., "Fungal Glucoamylases," J. Appl. Biochem., vol 5, pp. 235 - 260 (1983)	<input type="checkbox"/>
↓	24		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature	/Tiffany Gough/	Date Considered	10/12/2007
--------------------	-----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.